

# Automating the Authority Control Process

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Cataloging and Metadata Librarian

May 13, 2019

# Outline:

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- Me and my library
- Different ways to automate authority control processes
- Some ideas on how to automate the authority control maintenance process
- Tips
- Resources and Questions



# About Me

6 years at UNT

Started as a para-professional staff copy cataloger

- juvenile books and authority control
- batch e-resource record editing and loading

Promoted to Cataloging and Metadata Librarian in 2016

- supervise the staff person who does most of our authority work
- working towards using an outside vendor

# University of North Texas

## Denton, Texas





# University of North Texas Libraries' Catalog

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Sierra ILS

Nearly 3 million  
records

Add about  
100,000 records  
annually

Decentralized  
cataloging

7 catalogers do  
their own  
authority work

1 person does all  
of the library's  
authority work

# Local authority control priorities (Then)

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- Search OCLC for every new name and subject
- Download the authority record to the correct index if it was established and it had a cross reference or see also reference (4xx and 5xx)
- Validate new names and subjects
- Update authority records with closed dates and LCSH updates



# Local authority control priorities (Now)

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- Utilize the "preceded by" and "followed by" lines to see if there is a potential conflict and only investigate those
- Don't load new subject headings records
- Don't update authority records as the national authority file changes
- General collection catalogers do their own authority work

**Field:** b7001 |aLee, Ellie.|d1970-|4pro

**Indexed as AUTHOR:** *lee ellie 1970*

**Preceded by "a":** *lee ellie*

**Followed by "a":** *lee elliott jason*

**From:** b61487843 Unnatural causes: is produced by California Newsreel ; in a Center for Asian American Media ; Lat

**Field:** b7001 |aKrause, Dan.

**Indexed as AUTHOR:** *krause dan*

**Preceded by "a":** *krause dagmar*

**Followed by "a":** *krause daniel j*

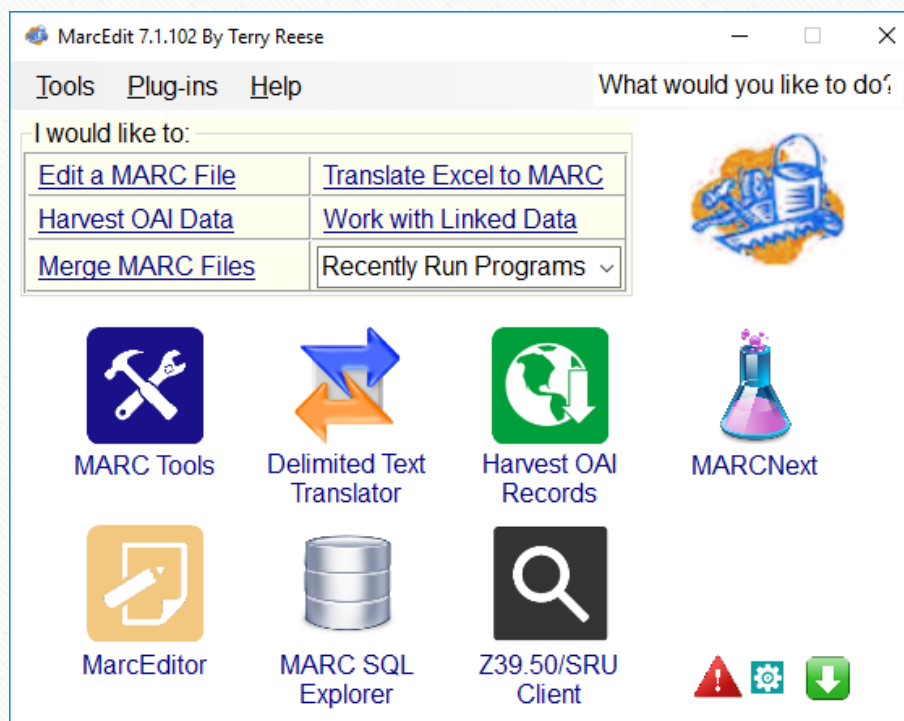
**From:** b61487843 Unnatural cause produced by California Newsreel ; Center for Asian American Media



# Automate!



Notepad++ v7.5.9







## Sierra (or your local ILS)

---

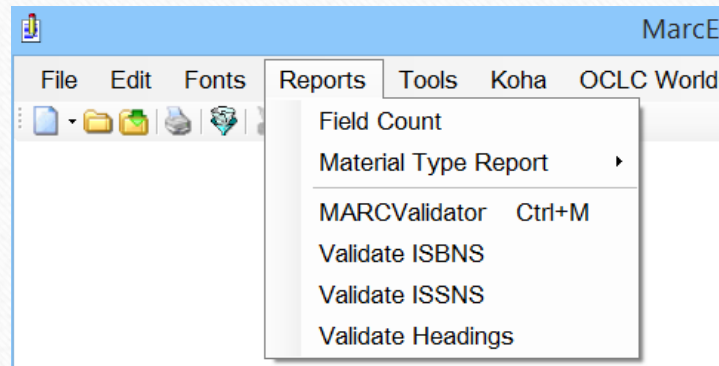
Heading Reports can identify new names and subjects, invalid uses, and duplicate records

Bibliographic Maintenance feature automatically updates bib records to a match new heading over night



# MarcEdit

- validate names and subjects to the right format before ever loading records
- download authority records
- add URI to \$0



## Validate Headings

The Headings Validation tool can be used to validate 1xx, 6xx, or 7xx. The tool utilizes a combination of web and local services to determine if a heading appears in an authorized heading.

Source:

[MarcEditor]



☐ Generate Brief Personal Name Authorities

☒ Authorize 1xx/7xx fields

☐ Authorize 6xx field

☐ Only Process Subfield A

☐ Automatically Correct Variants

☒ Embed URIs when Possible

☐ Download LC Authorities

Status:

Process

Extract

Close



# Vendors



## automated process for

- cleaning up records,
- validating headings, and
- providing the library with authority records

## on-going maintenance

- process new bibliographic records
- notify the library if authorities change or are newly created from backfile







# Batch-loading New Authority Records



Sierra - University of North Texas Libraries - Stacey

File Edit View Go Tools Reports Admin Help

**sierra**  FUNCTION **Headings Reports**

Report Type

☐ All

☒ Headings used for the first time

☐ Invalid headings

☐ Duplicate entries

☐ Blind references

☐ Duplicate authority records

☐ Updated bibliographic headings

☐ Near matches

☐ Records busy, not updated

☐ Non-unique 4XXs

☐ Cross-thesaurus matches

☒ Exclude records without a CAT DATE

Entry Date Range

From: - -20

To: - -20

Limit to these Locations:

All

czm	Chilton Media Library
czmrf	Chilton Media Reference
czmrs	Chilton Media Reserves
czwww	MEDIA ONLINE RESOURCES
d	Dallas Campus Library
dcare	Dallas Campus Career Development
dfic	Dallas Campus Fiction
diuv	Dallas Campus Juvenile Collection

Load records into  
Sierra, run Heading  
Reports, copy new  
names to Excel

1	Web Logins
10	Group/Admin Login
50	Lib TACO Full Time
95	Willis Self-Checkout
96	Dallas Self-Checkout
150	Lib TACO Part Time
205	Library Admin Office

- 1 Field: b7001 |aBeceanu, Marius, |eeditor.
- 2 Indexed as AUTHOR: *beceanu marius*
- 3 Preceded by "a": *beconsall thomas d 1709*
- 4 Followed by "a": *becenti juantio*

From: b61487934 AMS Special Session on Spectral Ca  
author. Nonlinear dispersive waves and fluids : AMS  
Equations, and PDE Analysis on Fluid Flows, January  
5 Tuoc Van Phan, Avy Soffer, editors.

- 6 Field: b7001 |aChen, Geng, |d1980- |eeditor.
- 7 Indexed as AUTHOR: *chen geng 1980*
- 8 Preceded by "a": *chen ge*
- 9 Followed by "a": *chen geraldine*

From: b61487934 AMS Special Session on Spectral Ca  
author. Nonlinear dispersive waves and fluids : AMS  
Equations, and PDE Analysis on Fluid Flows, January  
0 Tuoc Van Phan, Avy Soffer, editors.

- 1 Field: a1001 |aDonner, Ezra, |d1986- |ecomposer.
- 2 Indexed as AUTHOR: *donner ezra 1986*
- 3 Preceded by "a": *donner etta becker 1911 1975*
- 4 Followed by "a": *donner florida*





1112 | aAMS Special Session on Spectral Calcu

1112 | aResearch Workshop of the Israel Scien

7001 | aBeceanu, Marius, | eeditor.

7001 | aChen, Geng, | d1980- | eeditor.

7001 | aKrause, Dan.

7001 | aLee, Ellie, | d1970- | 4pro | 4drt

7001 | aMiller, Florence. | 4nrt

7001 | aPhan, Tuoc | q(Tuoc Van), | eeditor.

7001 | aPlotkin, Eugene, | d1955- | eeditor.

Clean up copied  
information so just the  
name remains





## Validate names in MarcEdit, adding \$0

### Validate Headings

The Headings Validation tool can be used to validate 1xx, 6xx, or 7xx. The tool utilizes a combination of web and local services to determine if a heading appears in an authorized heading.

Source:

[MarcEditor]



☐ Generate Brief Personal Name Authorities

☒ Authorize 1xx/7xx fields

☐ Authorize 6xx field

☐ Only Process Subfield A

☐ Automatically Correct Variants

☒ Embed URIs when Possible

☐ Download LC Authorities

[Save Delimited](#)

Process

Extract

Close

```
=7001 \ $aBeceanu, Marius,$eeditor.  
$0http://id.loc.gov/authorities/names/no2018145114  
=7001 \ $aChen, Geng,$d1980-$eeditor.  
$0http://id.loc.gov/authorities/names/no2018146561  
=7001 \ $aKrause, Dan.  
=7001 \ $aLee, Ellie,$d1970-$4pro$4dr  
$0http://id.loc.gov/authorities/names/no2014066804  
=7001 \ $aMiller, Florence.$4nrt  
$0http://id.loc.gov/authorities/names/n80001667  
=7001 \ $aPhan, Tuoc$q(Tuoc Van),$eeditor.  
$0http://id.loc.gov/authorities/names/no2018144920  
=7001 \ $aPlotkin, Eugene,$d1955-$eeditor.  
$0http://id.loc.gov/authorities/names/no2018163324
```



Copy \$0 search to Excel

**\$0 was found 17 times.**

Found Text	Action
=1001 \\\$aDonner, Ezra,\$d1986-\$ecomposer.\$0h...	Jump to Record #: 0
=1001 \\\$aGilheany, Kevin P.,\$d1963-\$eauthor.\$0...	Jump to Record #: 0
=1001 \\\$aSeitz, Paul,\$d1951-\$ecomposer.\$0http...	Jump to Record #: 0
=1112 \\\$aResearch Workshop of the Israel Scien...	Jump to Record #: 0
=7001 \\\$aBeceanu, Marius,\$eeditor.\$0http://id.lo...	Jump to Record #: 0
=7001 \\\$aChen, Geng,\$d1980-\$eeditor.\$0http://i...	Jump to Record #: 0
=7001 \\\$aLee, Ellie,\$d1970-\$4pro\$4drt\$0http://i...	Jump to Record #: 0
=7001 \\\$aMiller, Florence.\$4nrt\$0http://id.loc.gov/...	Jump to Record #: 0
=7001 \\\$aPhan, Tuoc\$q(Tuoc Van),\$eeditor.\$0htt...	Jump to Record #: 0
=7001 \\\$aPlotkin, Eugene,\$d1955-\$eeditor.\$0htt...	Jump to Record #: 0
=7001 \\\$aRodriguez, Maria Teresa\$c(Filmmaker)...	Jump to Record #: 0
=7001 \\\$aSoffer, Avy\$q(Avraham),\$eeditor.\$0http...	Jump to Record #: 0
=7001 \\\$aTumanov, Vladimir,\$eeditor,\$etranslato...	Jump to Record #: 0
=7001 \\\$aWeaver, Jonathan.\$4cng\$0http://id.loc....	Jump to Record #: 0
=7001 \\\$aZheng, Shijun,\$eeditor.\$0http://id.loc.g...	Jump to Record #: 0
=7102 \\\$aNational Minority Consortia (U.S.)\$0htt...	Jump to Record #: 0
=7102 \\\$aOne World Group of Broadcasters \$en	.Jump to Record #: 0



Jump to Page

Edit Find Query

Close





# Compare against new names from Heading Report

Donner, Ezra,\$d1986-\$ecomposer.	Donner, Ezra,\$d1986-\$ecomposer.	n2010003378
Gilheany, Kevin P.,\$d1963-\$eauthor.	Gilheany, Kevin P.,\$d1963-\$eauthor.	
Seitz, Paul,\$d1951-\$ecomposer.	Seitz, Paul,\$d1951-\$ecomposer.	
AMS Special Session on Spectral Calculus and Quasilinear P	Research Workshop of the Israel Science	
Research Workshop of the Israel Science Foundation on Gr	Beceanu, Marius,\$eeditor.	
Beceanu, Marius,\$eeditor.	Chen, Geng,\$d1980-\$eeditor.	
Chen, Geng,\$d1980-\$eeditor.	Lee, Ellie,\$d1970-\$4pro\$4dr	
Krause, Dan.	Miller, Florence.\$4nrt	
Lee, Ellie,\$d1970-\$4pro\$4dr	Phan, Tuoc\$q(Tuoc Van),\$eeditor.	
Miller, Florence.\$4nrt	Plotkin, Eugene,\$d1955-\$eeditor.	
Phan, Tuoc\$q(Tuoc Van),\$eeditor.	Rodríguez, María Teresa\$c(Filmmaker)	
Plotkin, Eugene,\$d1955-\$eeditor.	Soffer, Avy\$q(Avraham),\$eeditor.	
Rodríguez, María Teresa\$c(Filmmaker)	Tumanov, Vladimir,\$eeditor,\$etranslator.	
Soffer, Avy\$q(Avraham),\$eeditor.	Weaver, Jonathan.\$4cng	
Tumanov, Vladimir,\$eeditor,\$etranslator.	Zheng, Shijun,\$eeditor.	
Weaver, Jonathan.\$4cng	National Minority Consortia (U.S.)	
Zheng, Shijun,\$eeditor.	One World Group of Broadcasters,\$epro	
National Minority Consortia (U.S.)		
One World Group of Broadcasters,\$eproduction company.		
AMS Special Session on PDE Analysis on Fluid Flows\$d(2017	:\$cAtlanta, Georgia),\$eauthor.	

Conditional Formatting   Format as Table

Normal   Bad   Good

Neutral   Calculation   Check

Highlight Cells Rules >

Top/Bottom Rules >

Data Bars >

Color Scales >

Icon Sets >

New Rule...   Clear Rules   Manage Rules...

Greater Than...   Less Than...   Between...   Equal To...   Text that Contains...   A Date Occurring...   Duplicate Values...   More Rules...



# Batch search OCLC for LCCNs and export the record to ILS

Enter Authority Batch Search Keys

Local File:

Search Keys

Query:  Total Entered: 0

Use default index:

LCCN (ln:)

☐ Retrieve all records from online save file

Limit by Review Status:

☐ Non-Submitted

☐ Submitted

☐ Delete downloaded records from online save file

OCLC Connexion - [Online LC Authority File: Research Workshop of the Israel Science Foundation on Groups, Al...

File Cataloging Authorities Edit Action Batch View Tools Window Help

Text Strings User Tools \*no2018163511

ARN 11679442

Rec stat	n	Entered	20181129	Replaced	20181201073132.0
Type	z	Upd status	a	Enc lvl	n
Roman		Ref status	a	Mod rec	
Govt agn		Auth status	a	Subj	a
Series	n	Auth/ref	a	Geo subd	n
Ser num	n	Name	n	Subdiv tp	n

010

040

046

111 2

370

373

411 2

670

Export- Add- Submit- Replace- Report Error- Workflow-In Process





# Keeping Current

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Maintaining authority files



LIBRARY OF CONGRESS SUBJECT HEADINGS  
MONTHLY LIST 01 (January 18, 2019)

Select this link to view the [Summary of Decisions](#) of the weekly editorial me

- 110 23 Harrison Street House (New York, N.Y.) [sp2018003013]  
410 UF 314 Washington Street House (New York, N.Y.)  
410 UF Jonas Wood House (New York, N.Y.)  
410 UF Wood House (New York, N.Y. : Harrison Street)  
550 BT Dwellings--New York (State)
- 110 27 Harrison Street House (New York, N.Y.) [sp2018002939]  
410 UF 317 Washington Street House (New York, N.Y.)  
410 UF John McComb Jr. House (New York, N.Y.)  
410 UF McComb House (New York, N.Y.)  
550 BT Dwellings--New York (State)
- 110 390 Van Duzer Street House (New York, N.Y.) [sp2018002690]  
550 BT Dwellings--New York (State)
- 110 428 Lafayette Street Building (New York, N.Y.) [sp2018002964]  
550 BT Dwellings--New York (State)  
510 BT La Grange Terrace (New York, N.Y.)
- 110 51 Market Street House (New York, N.Y.) [sp2018002892]  
410 UF Clark House (New York, N.Y. : Market Street)

<https://www.loc.gov/aba/cataloging/subject/weeklylists/>

## Authority records for 20190428

Authority Records updates posted after January 19, 2008 require Arial Unicod software packages or can be purchased separately. ([Learn more about Arial U](#)

n 83218565

**Old:** 100 1 Akhmatova, R. S. ‡q (Raisa Soltmuradovna), ‡d 1928-

**New:** 100 1 Akhmatova, R. S. ‡q (Raisa Soltmuradovna), ‡d 1928-1992

n 81059040

**Old:** 100 1 Amiss, John Milton, ‡d 1887-

**New:** 100 1 Amiss, John M. ‡q (John Milton), ‡d 1887-1968

n 93064201

**Old:** 100 1 Anderson, Marie, ‡d 1916-

**New:** 100 1 Anderson, Marie, ‡d 1916-1996

n 95118310

**Old:** 100 1 Arnold, Johann Christoph, ‡d 1940-

**New:** 100 1 Arnold, Johann Christoph, ‡d 1940-2017

n 2009065966

**Old:** 100 1 Atkinson, David, ‡d 1921-

**New:** 100 1 Atkinson, David, ‡d 1921-2012

<https://www.oclc.org/authority-records.html>



# Automate the update

Start of the line

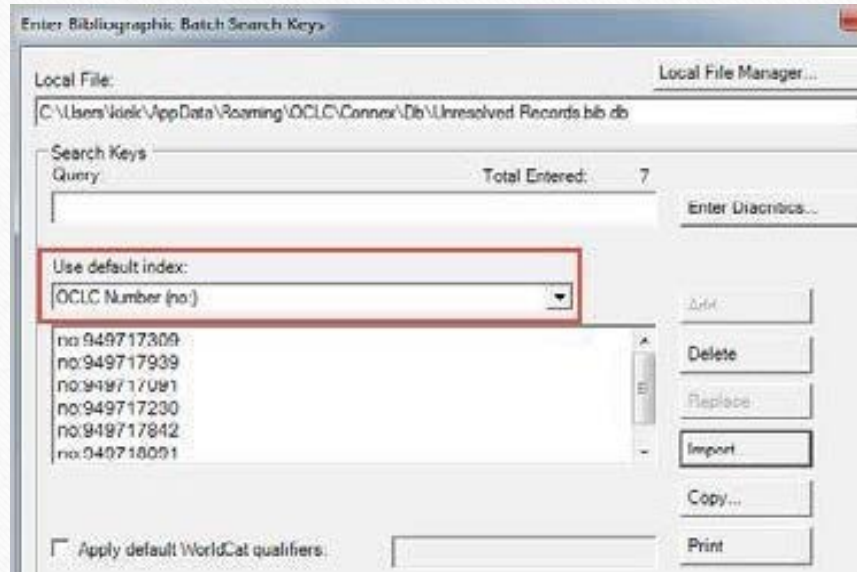
3 to 15 characters long

`^[a-z0-9_-]{3,15}$`

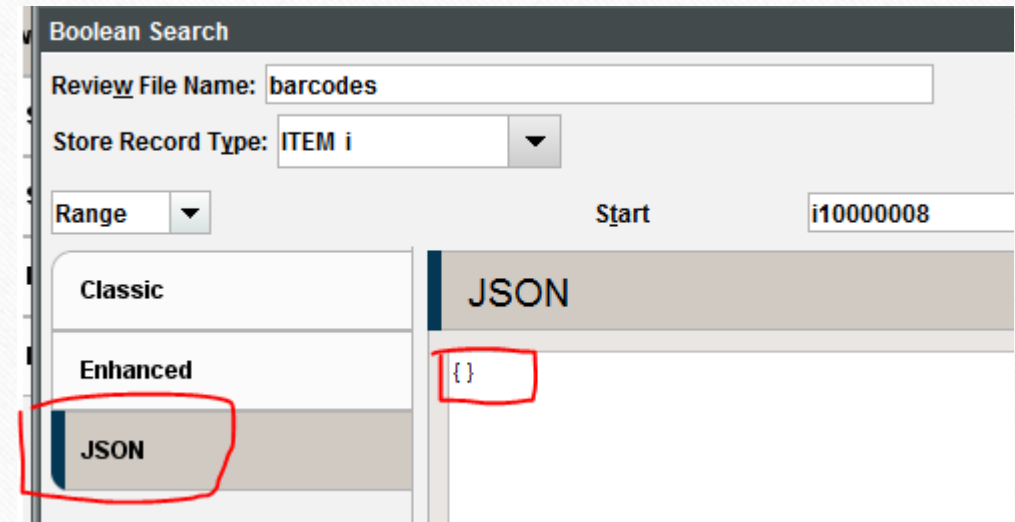
End of the line

letters, numbers, underscores, hyphens

[https://cdn-images-1.medium.com/max/1600/1\\*aT08Tmw6s4-t8tS8FXvVkA.png](https://cdn-images-1.medium.com/max/1600/1*aT08Tmw6s4-t8tS8FXvVkA.png)



<https://help.oclc.org/@api/deki/files/2964/data-sync-worldcat-staging-14.jpg?revision=1&size=bestfit&width=399&height=267>



<https://sierraatcity.files.wordpress.com/2018/05/json.png?w=640>



# Batch-updating Subject Headings

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CATALOGING AND  
ACQUISITIONS



Search this site

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- ➔ [Contact](#)
- ➔ [FAQs](#)
- ➔ [News](#)

- ➔ [Acquisitions](#)
- ➔ [Resources for Cataloging](#)
- ➔ [Catalogs. Authority](#)

## Library of Congress Subject Headings (LCSH) Approved Lists

Lists of new and changed subject headings are posted to this Web site by the Policy and Standards Division as they are approved.

➔ [More About the Library of Congress Subject Headings \(LCSH\) Approved Lists](#)

### Search for Library of Congress Subject Heading Approved Lists

2019: List 01 (January 18) ▼

GO

- [Subject Headings Editorial Meeting: Summary of Decisions](#)
- [Submit a Proposal](#) [PDF, 85 KB]

<https://www.loc.gov/aba/cataloging/subject/weeklylists/>

1		<a href="https://www.loc.gov/aba/cataloging/subject/weeklylists/">https://www.loc.gov/aba/cataloging/subject/weeklylists/</a>	
2	110	23 Harrison Street House (New York, N.Y.) [sp2018003013]	(C)
3	410	UF 314 Washington Street House (New York, N.Y.)	
4	410	UF Jonas Wood House (New York, N.Y.)	
5	410	UF Wood House (New York, N.Y. : Harrison Street)	
6	550	BT Dwellings--New York (State)	
7			
8	110	27 Harrison Street House (New York, N.Y.) [sp2018002939]	(C)
9	410	UF 317 Washington Street House (New York, N.Y.)	
10	410	UF John McComb Jr. House (New York, N.Y.)	
11	410	UF McComb House (New York, N.Y.)	
12	550	BT Dwellings--New York (State)	
13			
14	110	390 Van Duzer Street House (New York, N.Y.) [sp2018002690]	
15	550	BT Dwellings--New York (State)	
16			
17	110	428 Lafayette Street Building (New York, N.Y.) [sp2018002964]	
18	550	BT Dwellings--New York (State)	
19	510	BT La Grange Terrace (New York, N.Y.)	
20			
21	110	51 Market Street House (New York, N.Y.) [sp2018002892]	
22	410	UF Clark House (New York, N.Y. : Market Street)	
23	410	UF William and Rosamond Clark House (New York, N.Y.)	
24	410	UF William Clark House (New York, N.Y.)	
25	550	BT Dwellings--New York (State)	
26			
27	150	Afrofuturism [Not Subd Geog] [sp2018002914]	(C)
28	550	BT Arts, American--20th century	

Find and Replace

Find Replace

Find what: [sp

Replace with: ^

Replace All Replace Find All Find

Book

Test samples for closed dates and updated lch.xlsx

Test samples for closed dates and updated lch.xlsx

< 220 cell(s) found

Extract the LCSH record number from the list of changed headings

- Copy the subject change list into Excel
- Highlight everything and unmerge cells
- Use (ctrl+f)  
Find/replace to replace [sp with ^





## Extract the LCSH record number from the list of changed headings (cont.)

- Use (ctrl+f) Find/replace to replace ] with nothing
- Use the Text to columns feature to separate ^ to its own column.
  - Delimited -->
  - Other: ^ -->
  - Finish

The screenshot shows the 'Convert Text to Columns Wizard - Step 2 of 3' dialog box in Microsoft Excel. The background shows a spreadsheet with a list of addresses in column B, such as '23 Harrison Street House (New York, N.Y.) ^2018003013]'. The wizard is configured with 'Delimiters' set to 'Other: ^' and 'Treat consecutive delimiters as one' checked. The 'Data preview' section shows the result of the conversion: the address is in one column and the record number '2018003013' is in another column.

Connections | Sort & Filter | Data Tools

23 Harrison Street House (New York, N.Y.) ^2018003013]

Convert Text to Columns Wizard - Step 2 of 3

This screen lets you set the delimiters your data contains. You can see how your text is affected in the preview below.

Delimiters

- ☒ Tab
- ☐ Semicolon
- ☐ Comma
- ☐ Space
- ☒ Other: ^

☐ Treat consecutive delimiters as one

Text qualifier: "

Data preview

23 Harrison Street House (New York, N.Y.)	2018003013]
---	-------------

Cancel < Back Next > Finish



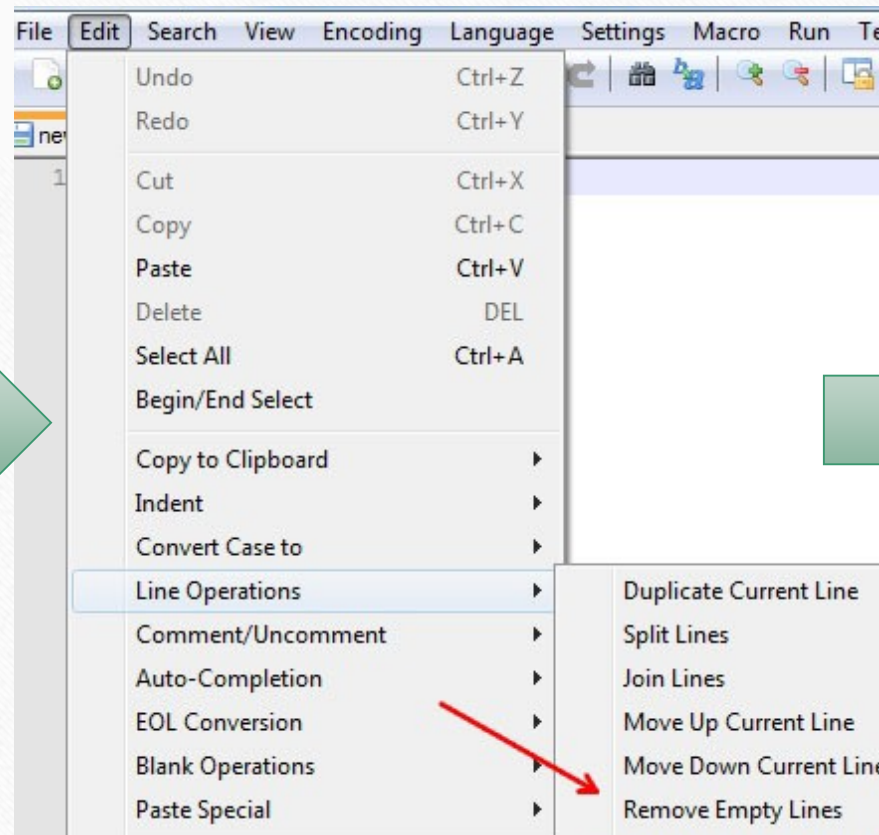
Notepad++ v7.5.9

# Build the JSON query in Notepad++

1

```
1  
2 2018003013  
3  
4  
5  
6  
7  
8 2018002939  
9  
10  
11  
12  
13  
14 2018002690  
15
```

2



3

```
1 2018003013  
2 2018002939  
3 2018002690  
4 2018002964  
5 2018002892  
6 2018002914  
7 2018001560  
8 2018002940  
9 85004519  
10 85005814  
11 2018002824  
12 2018002897  
13 2018001857
```





Notepad++ v7.5.9

# Build the JSON query in Notepad++ (cont.)

Replace

Find Replace Find in Files Mark

Find what:  Find Next

Replace with:  Replace

☐ In selection Replace All

☐ Match whole word only

☒ Match case

☐ Wrap around

Replace All in All Opened Documents

Close

Search Mode Direction ☒ Transparency

☐ Normal

☐ Extended (\n, \r, \t, \v)

☒ Regular expression

This search query finds **authority** records with **010** that have “**sh[as many spaces as needed][one LCCN]**”. The “**or**” on the end of the line indicates that there are more searches to perform.

Use Search -> Replace (Ctrl-H) to add the necessary text around the numbers

- Find what:
  - (^.\*)
- Replace with:
  - `{"target": {"record": {"type": "authority"}, "field": {"marcTag": "010"}}, "expr": {"op": "regex", "operands": ["sh\s*$1"]}}, "or",`
- Check “Regular expression”
- Click “Replace All”

This finds everything in that line, or in this case, the LCCN



Notepad++ v7.5.9

# Build the JSON query in Notepad++ (cont.)

```
1 {
2   "queries": [
3     ENTER FORMATTED SEARCH TERMS HERE
4   ]
5 }
6
```

```
1 {
2   "queries": [
3     {"target": {"record": {"type": "authority"}, "field": {"marcTag": "010"}, "expr": {"op": "regex", "operands": ["shs*2018003013"]}}, "or",
4     {"target": {"record": {"type": "authority"}, "field": {"marcTag": "010"}, "expr": {"op": "regex", "operands": ["shs*2018002939"]}}, "or",
5     {"target": {"record": {"type": "authority"}, "field": {"marcTag": "010"}, "expr": {"op": "regex", "operands": ["shs*2018002690"]}}, "or",
6     {"target": {"record": {"type": "authority"}, "field": {"marcTag": "010"}, "expr": {"op": "regex", "operands": ["shs*2018002964"]}}, "or",
7     {"target": {"record": {"type": "authority"}, "field": {"marcTag": "010"}, "expr": {"op": "regex", "operands": ["shs*96007457"]}}, "or",
8   ]
9 }
```





- Name your file
- Store record type =  
a authority
- Select JSON
- Highlight the {} and  
paste your search from  
Notepad++
- Click Search



# Search Results

- We have 14 out of the 220 records on the list.
- From here, export the 010 fields to a text file.
- Keep the list to delete old records later

	Record	Description
1	a1056700	Puppeteers
2	a1094087	Educational equalization
3	a1207283	Linoleum block-printing.
4	a1884256	Pisgah National Forest (N.C.)
5	a2032454	Dido (Legendary character) in literature.
6	a5263360	Yeti
7	a531723x	Inventions
8	a558839x	Dido (Legendary character)
9	a5911904	Baker, Mount (Wash.)
10	a5916781	Cooking
11	a6634229	Lepcha (South Asian people)
12	a685574x	Lysimachia
13	a7156741	Kwakiutl language
14	a7571239	Callisto (Greek mythology)

OVGTSL subj

List AUTHORITY Information

Fields to be listed

Line	Type	Field
1	a	MARC Tag 010

Append

Insert

Delete

Page heading

Starting record (1-14)

Ending record (1-14)

Number of blank lines between records

☐ Number the records in the list

☐ Display meanings of fixed-length fields instead of codes

☒ Display each variable-length field on a new line

☐ Display labels for variable-length fields

☒ If listing bibliographic title, print it in uppercase

☐ Run in background

OK

Apply Saved List

Save This List

Close





# Format data to batch search OCLC

Enter Authority Batch Search Keys

Local File:

C:\Users\sdk0046\AppData\Roaming\OCLC\Connex\Db\DefaultAuth.auth.db

Search Keys

Query:  Total Entered: 14

Enter Diacritics...

Use default index:

LCCN (In:)

Add

Delete

Import...

Copy...

Print

☒ Retrieve all records from online save file

Limit by Review Status:

☐ Non-Submitted

☐ Submitted

☐ Delete downloaded records from online save file

Save

Close

Help

Process Batch

Local Files:

Path

☒ C:\Users\sdk0046\AppData\Roaming\OCLC\Connex\Db\DefaultAuth.auth.db

☒ Online Searches

☐ Online Record Actions

☐ Exports

☐ Check date in Replaced

☐ Label Printing

Bibliographic Processing Order:

Authority Processing Order:

Search Options...

OK

Cancel

Errors (1)

Search Key	Error
In:sh 94003907	No records found for your search. Please change or simplify your search and try again.

Successful Searches (14)

Search Key	# Records	Save #	
In:sh 85109143	1	2285	
In:sh 85041121	1	2286	2114042 Educational equalization
In:sh 85077249	1	2287	2056961 Linoleum block-printing
In:sh 91005142	1	2288	3064720 Pisgah National Forest (N.C.)
In:sh 85149134	1	2289	2116069 Yeti
In:sh 85067667	1	2290	2119154 Inventions
In:sh 91000652	1	2291	11648326 Dido #c (Legendary character)
In:sh 85011073	1	2292	2060826 Baker, Mount (Wash.)
In:sh 2010008400	1	2293	8535691 Cooking
In:sh 85076047	1	2294	2046179 Lepcha (South Asian people)
In:sh 88022910	1	2295	2243111 Lysimachia
In:sh 85073542	1	2296	2151894 Kwakiutl language
In:sh 93007687	1	2297	11635814 Callisto #c (Greek mythological character)

Dido (legendary character) in fiction was deleted, so the record doesn't exist anymore



# View your authority records in OCLC

Authorities Edit Action Batch View Tools Window Help

Search Browse Create Show

By Online Save File Status...  
By Local Save File Status...  
Default Online Constant Data Ctrl+Shift+O  
Default Local Constant Data  
LC Distributed Version  
LC Superseded Versions

Text Strings 1...10 Us

Status List for DefaultAuth.auth.db

Action Status	Completed	Failed	Ready	Not Set
Add:	<input type="checkbox"/> (0)	<input type="checkbox"/> (0)	<input type="checkbox"/> (0)	<input type="checkbox"/> (0)
Export:	<input type="checkbox"/> (0)	<input type="checkbox"/> (0)	<input type="checkbox"/> (0)	<input type="checkbox"/> (0)
Replace:	<input type="checkbox"/> (0)	<input type="checkbox"/> (0)	<input type="checkbox"/> (0)	<input type="checkbox"/> (0)
Submit:	<input type="checkbox"/> (0)	<input type="checkbox"/> (0)	<input type="checkbox"/> (0)	<input type="checkbox"/> (0)
Validate:	<input type="checkbox"/> (0)	<input type="checkbox"/> (0)		<input type="checkbox"/> (0)

Workflow Status

Complete:	<input type="checkbox"/> (0)	In Review:	<input type="checkbox"/> (0)
Imported:	<input type="checkbox"/> (0)	New:	<input type="checkbox"/> (0)
In Process:	<input checked="" type="checkbox"/> (0)		

Total Records: 0

Options

RDA | Record Display | Spelling | Toolbar | Z39.50 |  
Access | Authorizations | Batch | Classify | Derive Record | Export | Fonts | General | International | My Status | Printing |

Destination

(None)  
File:(Prompt for filename)

Create... Edit... Delete

Record Characteristics... Field Export Options...

☐ Allow export of workflows  
☒ Display report for immediate export results  
☐ Warn before exporting bibliographic records that include unlinked non-Latin script fields

OK Cancel Apply Help

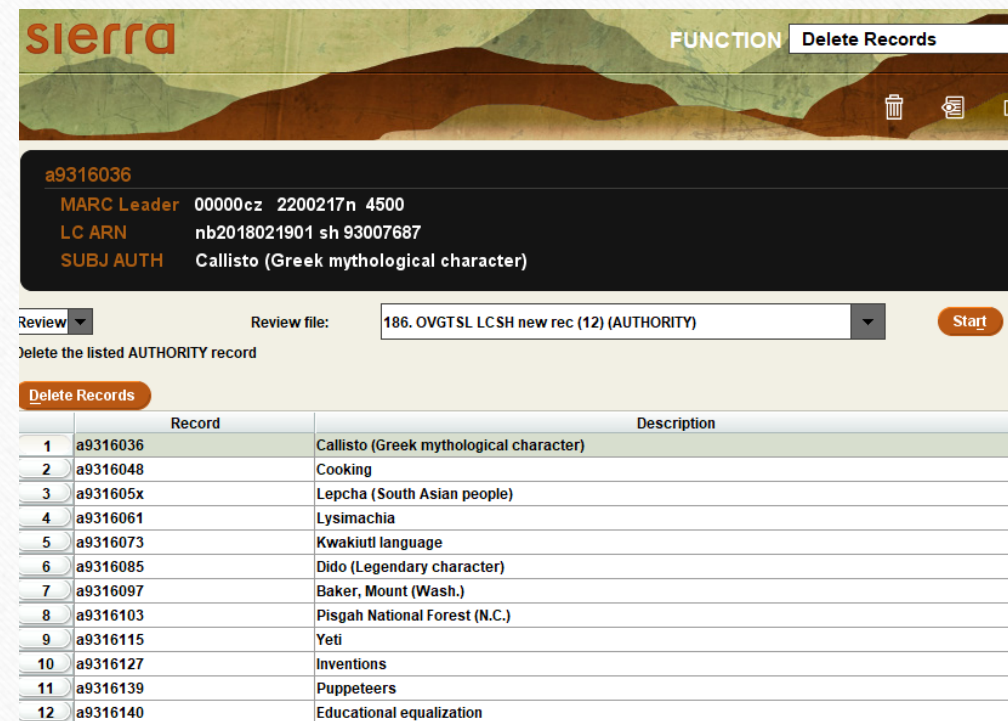
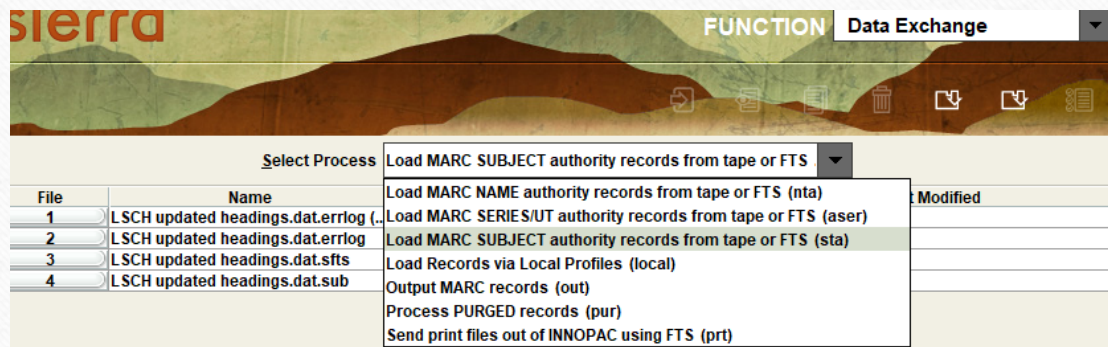
Show Records  
Cancel  
Help





# Export updated authority records

- Batch Export from OCLC and then upload using the Subject Load table in Data Exchange
- Delete old headings to prevent duplicates





# Resolving problems

- Check your headings reports for duplicate authority records and blind references
- Delete the old authority records that are duplicated by the upload
- Resolve blind references (which come from headings changing, like fictional characters)
- Most of the records were only deleting or adding subfields to the record, not changing the 1XX, so there shouldn't be too many to fix.

FUNC			
	Entry	Cat Date	Ful
nces	From: a9316036 SUBJ AUTH 1000  aCallisto c(Greek mythological character)		mar
nces	From: a9316073 SUBJ AUTH 150  aKwakiutl language		mar



# Batch-updating Name authorities

---



# Closed Dates in Authority Records

Since the publication of revised [LCRI 22.17](#) in February 2006, catalogers have had the option to add death dates to personal name headings with open dates.

Both the Library of Congress and OCLC are aware that many libraries are interested in incorporating these changes into their catalogs. Libraries that use authority control services for ongoing processing will receive these changes as part of their normal workflows but, for other libraries, OCLC is providing this service to announce headings to which death dates have been added.

Lists for each week since the new policy went into effect on 1 February 2006 are available below and as an [RSS feed](#). Instructions for subscribing to RSS feeds can be found on [RSS Feeds and Podcasts](#). In general, a list of newly changed headings will be added as soon as possible after they have been received.

**NOTE:** Authority Records updates posted after 19 January 2008 require Arial Unicode font to display all extended characters. This font ships with various software packages or can be purchased separately ([Learn more about Arial Unicode fonts](#).) Older entries require the ALA BT Courier font to display properly. Use Internet Explorer for best results when viewing the ALA BT Courier font.

## Recent updates

[Authority records for 20190428](#)

[Authority records for 20190421](#)

<https://www.oclc.org/authority-records.html>





Notepad++ v7.5.9

# Build the JSON query in Notepad++

---

## Option 1: Record number

```
1 n 2008005874
2 n 2008042334
3 n 2010039374
4 n 2019006746
5 n 50007231
6 n 50034831
7 n 50043013
8 n 50045770
9 n 78026542
```

## Option 2: Old name format

```
Almeida, Fernando d', 1955-
Averill, Gerald P., 1919-
Bennett, Rodney, 1935-
Berezowski, Cezary, 1898-
Berger, Klaus, 1901-
Boggs, W. Arthur, 1916-
Bragg, Don, 1935-
```

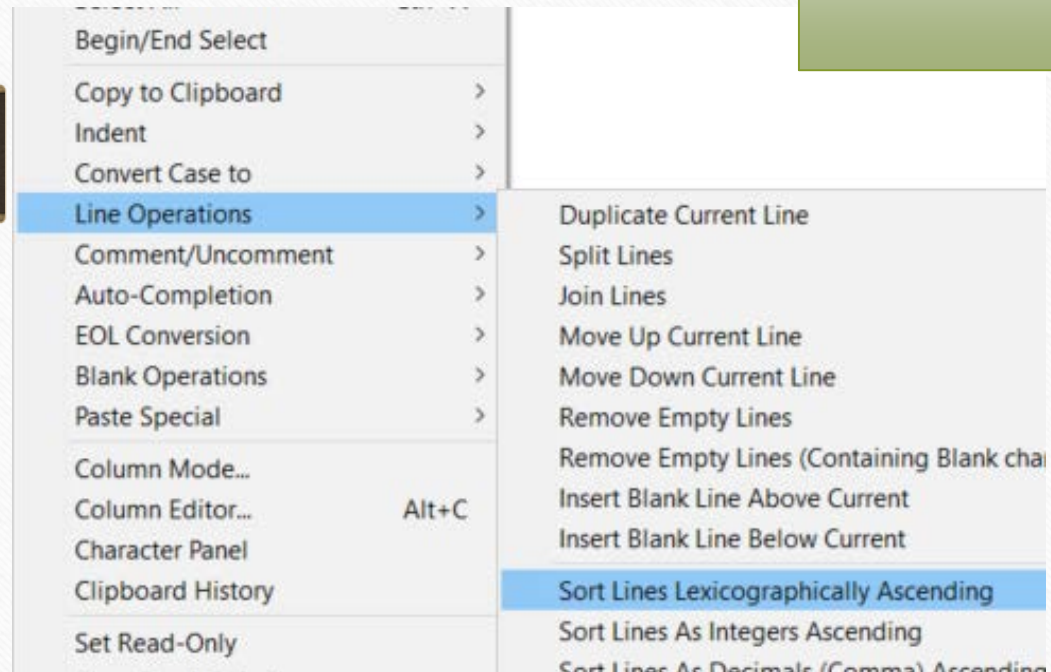


Notepad++ v7.5.9

# Build the JSON query in Notepad++:

## Option 1: Record Numbers

This finds lines that **starts** with **[one or more non-numbers]**(**[all of the numbers]**). The information inside the parentheses will be retained, as noted by “\$1”, leaving just the numbers.



2	n	2008042334
3	n	2010039374
4	n	2019006746
5	n	50007231
6	n	50034831
7	n	50043013
8	n	50045770
9	n	78026542
10	n	78098660
11	n	79064214
12	n	80049757
13	n	80052037

Find what :

Replace with :

15	80141572
16	81015692
17	81041804
18	81062120
19	81071272





Notepad++ v7.5.9

# Build the JSON query in Notepad++:

## Option 1: Record Numbers (cont.)

Find what: (^.\*)

This finds everything in that line,  
or in this case, the LCCN

This search query finds **authority** records with **010** that match “[n(zero or more of any character)LCCN]”. The “or” on the end of the line indicates that there are more searches to perform.

Replace with: {"target": {"record": {"type": "authority"}, "field": {"marcTag": "010"}}, "expr": {"op": "regex", "operands": ["n.\*\$1"]}}, "or",

```
{"target": {"record": {"type": "authority"}, "field": {"marcTag": "010"}}, "expr": {"op": "regex", "operands": ["n.*50045770"]}}, "or",  
{"target": {"record": {"type": "authority"}, "field": {"marcTag": "010"}}, "expr": {"op": "regex", "operands": ["n.*78026542"]}}, "or",  
{"target": {"record": {"type": "authority"}, "field": {"marcTag": "010"}}, "expr": {"op": "regex", "operands": ["n.*78098660"]}}, "or",  
{"target": {"record": {"type": "authority"}, "field": {"marcTag": "010"}}, "expr": {"op": "regex", "operands": ["n.*79064214"]}}, "or",  
{"target": {"record": {"type": "authority"}, "field": {"marcTag": "010"}}, "expr": {"op": "regex", "operands": ["n.*80049757"]}}, "or",  
{"target": {"record": {"type": "authority"}, "field": {"marcTag": "010"}}, "expr": {"op": "regex", "operands": ["n.*80052037"]}}, "or",  
{"target": {"record": {"type": "authority"}, "field": {"marcTag": "010"}}, "expr": {"op": "regex", "operands": ["n.*80090007"]}}, "or",
```



Notepad++ v7.5.9

# Build the JSON query in Notepad++:

## Option 2: Old name format

This finds [any 3 characters][colon][space]100[space]1[any 1 character] and replaces it with nothing.

```
5
6 n 86116649
7 Old: 100 1 Averill, Gerald P., #d 1919-
8 New: 100 1 Averill, Gerald P., #d 1919-1994
9
10 no2014059798
11 Old: 100 1 Bennett, Rodney, #d 1935-
12 New: 100 1 Bennett, Rodney, #d 1935-2017
13
14 n 90622053
15 Old: 100 1 Berezowski, Cezary, #d 1898-
16 New: 100 1 Berezowski, Cezary, #d 1898-1970
17
18 n 85269745
19 Old: 100 1 Berger, Klaus, #d 1901-
20 New: 100 1 Berger, Klaus, #d 1901-2000
21
22 no2014056273
23 Old: 100 1 Boggs, W. Arthur, #d 1916-
24 New: 100 1 Boggs, W. Arthur, #d 1916-1966
25
26 n 2008005874
27 Old: 100 1 Bragg, Don, #d 1935-
28 New: 100 1 Bragg, Don, #d 1935-2019
29
```

Find what : ...: 100 1.

Replace with :

Find

Find

Replace

Find in Files

Mark

Find what : #

Find what : (.\*,\*)[\\.,]\*

Replace with : \$1

Boggs, W. Arthur  
Bragg, Don  
Brett, Lionel  
Broecker, Wallace S.  
Devonshire, R. L.

This finds ([all characters up to][comma][all characters up to])[comma or period][all characters]. The information inside the parentheses will be retained, as noted by "\$1". The last comma or period and all characters after will be deleted.





Notepad++ v7.5.9

# Build the JSON query in Notepad++:

## Option 2: Old name format (cont.)

Find what: (^.\*)

This finds everything in that line, or in this case, the name

This finds **bibliographic** records with **100 (or 700 or 600)** that **start with “[this specific name]”**. The “**or**” on the end of the line indicates that there are more searches to perform.

Replace with: {"target": {"record": {"type": "bib"},"field": {"marcTag": "100"}}, "expr": {"op": "starts\_with", "operands": ["\$1"]}}, "or",

Replace with: {"target": {"record": {"type": "bib"},"field": {"marcTag": "700"}}, "expr": {"op": "starts\_with", "operands": ["\$1"]}}, "or",

Replace with: {"target": {"record": {"type": "bib"},"field": {"marcTag": "600"}}, "expr": {"op": "starts\_with", "operands": ["\$1"]}}, "or",



Notepad++ v7.5.9

# Build the JSON query in Notepad++:

## Option 2: Old name format (cont.)

```
{ "target": { "record": { "type": "bib", "field": { "marcTag": "100" }, "expr": { "op": "starts_with", "operands": [ "Vaile, P. A" ] } }, "or",  
  { "target": { "record": { "type": "bib", "field": { "marcTag": "100" }, "expr": { "op": "starts_with", "operands": [ "Virgilio, Nicholas A" ] } }, "or",  
    { "target": { "record": { "type": "bib", "field": { "marcTag": "100" }, "expr": { "op": "starts_with", "operands": [ "Wahlquist, John Thomas" ] } }, "o",  
      { "target": { "record": { "type": "bib", "field": { "marcTag": "100" }, "expr": { "op": "starts_with", "operands": [ "Weems, Bill" ] } }, "or",  
        { "target": { "record": { "type": "bib", "field": { "marcTag": "100" }, "expr": { "op": "starts_with", "operands": [ "Wheeler-Nicholson, Malcolm" ] } },  
          { "target": { "record": { "type": "bib", "field": { "marcTag": "100" }, "expr": { "op": "starts_with", "operands": [ "Winslow, Donald J." ] } }, "or",  
            { "target": { "record": { "type": "bib", "field": { "marcTag": "100" }, "expr": { "op": "starts_with", "operands": [ "Ulmann, Elisabeth von" ] } }, "or",  
              { "target": { "record": { "type": "bib", "field": { "marcTag": "700" }, "expr": { "op": "starts_with", "operands": [ "Almeida, Fernando d'" ] } }, "or",  
                { "target": { "record": { "type": "bib", "field": { "marcTag": "700" }, "expr": { "op": "starts_with", "operands": [ "Averill, Gerald P." ] } }, "or",  
                  { "target": { "record": { "type": "bib", "field": { "marcTag": "700" }, "expr": { "op": "starts_with", "operands": [ "Bennett, Rodney" ] } }, "or",  
                    { "target": { "record": { "type": "bib", "field": { "marcTag": "700" }, "expr": { "op": "starts_with", "operands": [ "Berezowski, Cezary" ] } }, "or",  
                      { "target": { "record": { "type": "bib", "field": { "marcTag": "700" }, "expr": { "op": "starts_with", "operands": [ "Berger, Klaus" ] } }, "or",  
                        { "target": { "record": { "type": "bib", "field": { "marcTag": "700" }, "expr": { "op": "starts_with", "operands": [ "Boggs, W. Arthur" ] } }, "or",  
                          { "target": { "record": { "type": "bib", "field": { "marcTag": "700" }, "expr": { "op": "starts_with", "operands": [ "Bragg, Don" ] } }, "or",  
                            { "target": { "record": { "type": "bib", "field": { "marcTag": "700" }, "expr": { "op": "starts_with", "operands": [ "Brett, Lionel" ] } }, "or",
```





Notepad++ v7.5.9

# Build the JSON query in Notepad++: Final step

---

```
{  
  "queries": [  
    ENTER FORMATTED SEARCH TERMS HERE  
  ]  
}
```







# Search Results

## Option 1:

- 12 results out of 86 record numbers searched

## Option 2:

- 100+ results out of 86 old names searched in 258 total searches; 18 were more closely investigated; 9 more names found

	Record	Description
1	a210443x	Broecker, Wallace S., 1931-
2	a2240944	Berger, Klaus, 1901-
3	a2869950	Gough, Kathleen, 1925-
4	a401845x	Devonshire, R. L., Mrs., b. 1864.
5	a4461769	Lunt, James D., 1917-
6	a4755170	Loucks, William N. (William Negele), 1899-
7	a5509476	Dupont, Paul, d. 1957
8	a6727323	Aretino, Pietro, 1492-1556. Works. 1992
9	a7213918	Traquair, John Stewart, Earl of, d. 1659.
10	a7220650	Traquair, John Stewart, Earl of, d. 1659.
11	a7282631	Easton, Michael, 1954-
12	a9020809	Houston, David, 1937-

OVGTSL subj

List AUTHORITY Information

Fields to be listed

Line	Type	Field
1	a	MARC Tag 010

Append

Insert

Delete

1

14

0

☐ Display meanings of fixed-length fields instead of codes

☒ Display each variable-length field on a new line

☐ Display labels for variable-length fields

☒ If listing bibliographic title, print it in uppercase

☐ Run in background

OK

Apply Saved List

Save This List

Close



Notepad++ v7.5.9

# Compare Names to Updated List

[-] RECORD # = b10160206.

Wright, John.

Wright, William.

Wooster, Robert, 1

Utley, Robert Mars

[-] RECORD # = b102221

Smith, Charles W.,

[-] RECORD # = b102959

Creeley, Robert, 1

[-] RECORD # = b103117

Shakespeare, Willi

Messina, Cedric.

Bennett, Rodney.

Jacobi, Derek.

Bloom, Claire, 193

Porter, Eric, 1928-1993.

Stewart, Patrick, 1940-

To Delete Duplicates:

Find:

`^(.*?)$\s+?^(?=.*^\1$)`

Replace with nothing

Check regular expressions

34 Lowe, A. T.  
35 Lowell, Robert, 1917-1977 -- Criticism  
36 Lozo, F. E. (Frank Edgar), 1914-  
37 Lubell, Cecil.

38 s, Ceil.  
39 s, George, 1944-  
40 s, Marcia.  
41 er, Alvin.  
42 er, Alvin. Conductor.  
43 er, Alvin. Lullaby.  
44 er, Alvin. North American time caps

45 y, Jean-Baptiste, 1632-1687.  
46 t, Sidney, 1924-2011.  
47 ey, Robert Don.  
48 ey, Robert, 1951-  
49 Miguel de, 16th/17th cent.

50 Robert T.  
51 Robert, 1915-  
52 James D., 1917-  
53 Ernest.

54 gnano, Stefano, 1537-1590.  
55 er, Martin, 1483-1546.  
56 Eric, 1962- Low flying unicorns.

57 s, John O.  
58 OF3}pez Lezcano, Fernando. Hot'n cc  
59 Low, Jackson.

60 Marion, 1902-1989.  
61 all, Dale A.  
62 Maddalena, Marianne.  
63 Maddox, Rose. Performer.  
64 Madison, James, 1751-1836.

nr 95036123

Old: 100 1 Li, Rui, ‡d 1917-

New: 100 1 Li, Rui, ‡d 1917-2019

n 85100269

Old: 100 1 Loucks, William N. ‡q (William Negele), ‡d 1899-

New: 100 1 Loucks, William N. ‡q (William Negele), ‡d 1899-1983

no 93014894

Old: 100 1 Lund, Robert, ‡d 1925-

New: 100 1 Lund, Robert, ‡d 1925-1995

n 50043013

Old: 100 1 Lunt, James D., ‡d 1917-

New: 100 1 Lunt, James, ‡d 1917-2001

no2004052322

Old: 100 1 Lyons, John O. ‡q (John Ormsby), ‡d 1927-

New: 100 1 Lyons, John O. ‡q (John Ormsby), ‡d 1927-2003

no2010130376

Old: 100 1 Mason, Bill, ‡d 1902-

New: 100 1 Mason, Bill, ‡d 1902-2001





# Format data to batch search OCLC

Enter Authority Batch Search Keys

Local File:

Search Keys  
Query:  Total Entered: 11

Use default index:

In:n 85143026  
In:n 85269745  
In:n 86872869  
In:n 96053324  
In:n 97119363  
In:no 00028217

☐ Retrieve all records from online save file  
Limit by Review Status:  
☐ Non-Submitted  
☐ Submitted  
☐ Delete downloaded records from online save file

Process Batch

Local Files:

Path

☒ C:\Users\sdk0046\AppData\Roaming\OCLC\Connex\Db  
☒ C:\Users\sdk0046\AppData\Roaming\OCLC\Connex\Db

☒ Online Searches  
☐ Online Record Actions ☐ Exports  
☐ Check date in Replaced ☐ Label Printing

Bibliographic Processing Order:  Authority Proc:

## Batch Search Report

Local File: C:\Users\sdk

Session ID	cnxs06.prod.oclc.org-33585-jyfoqibs-uebbbp
Report Start Time	2019-05-08T15:38:30-05:00
Session Duration	00:00:04.5684056
Bibliographic exports reported	0
Authority exports reported	0

## Successful Searches (11)

Search Key	# Records	Save #	Control #	Title
In:n 50034831	1	1	70152	Gough, Kathleen, #d 1925-1990
In:n 50043013	1	2	78183	Lunt, James, #d 1917-2001
In:n 82122243	1	3	818587	Broecker, Wallace S., #d 1931-2019
In:n 83005345	1	4	901260	Houston, David, #d 1935-1993
In:n 85100269	1	5	1310594	Loucks, William N. #q (William Negel)
In:n 85143026	1	6	1492831	Traquair, John Stewart, #c Earl of, #d
In:n 85269745	1	7	1578753	Berger, Klaus, #d 1901-2000
In:n 86872869	1	8	1733024	Devonshire, R. L., #c Mrs., #d 1864-1
In:n 96053324	1	9	4089489	Aretino, Pietro, #d 1492-1556. #t Wor
In:n 97119363	1	10	4544357	Dupont, Paul, #d 1889-1980
In:no 00028217	1	11	5202825	Easton, Michael, #d 1954-2004





Change the headings in the bibliographic record or wait for bibliographic maintenance to make the changes.

48



# Tips

---

- Google is your friend. If I don't know how to do something in Excel or Regular Expressions, I google it and can usually find a decent formula or two that can meet my needs.
- Create a search in the classic view, then switch over to the JSON view to find how to write the code. Use "INSERT VALUE HERE" as your value A and it'll be that much easier to copy your own values
- Wait until you have several lists to combine and then do the search all at once, instead of setting it up weekly (as would be the case with the names)

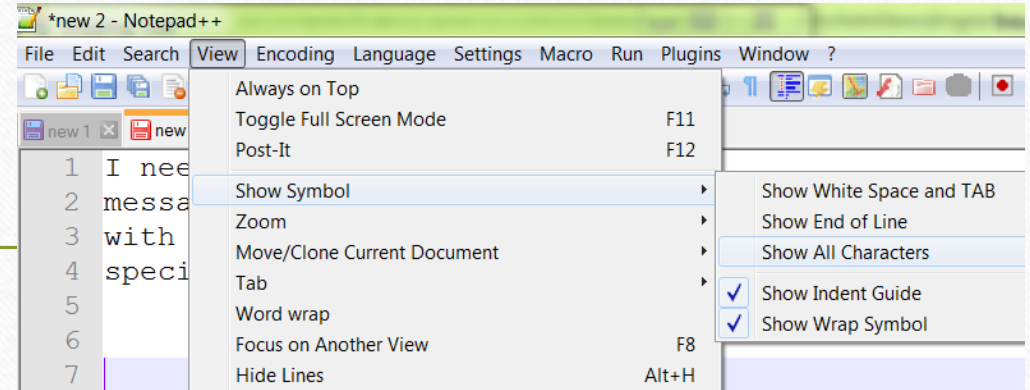
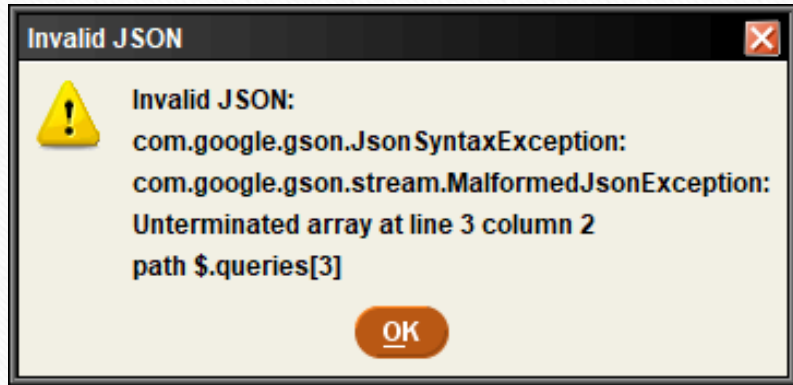
# Tips

---

- Try to avoid copying your Regular Expressions from Word because the automatic-formatting might cause problems. For example, " gets changed to “ automatically. This happened to me while developing the slides and it took me a while to figure out the problem.
- Reuse reuse reuse! We figured out how to set up one json query and then reuse the heck out of it. We just change the individual values as needed.



# Tips



- You will run into times where the code doesn't want to work. Sierra will prevent you from continuing your search with a dialog box. This box shows where the problem is but it's hard to work with it in Sierra. Use your version from Notepad++ to find the line and column and see what might be wrong.
- Experience will make this easier to troubleshoot.

# Resources

---

- Getting Started with Regular Expressions in Marcedit
  - <https://www.youtube.com/watch?v=7YXvS4xBEfw>
- Regular Expressions in Create Lists
  - <https://wiliug.files.wordpress.com/2015/02/matches-handout-2015.pdf>
- Regular Expressions Cheat Sheet
  - <https://www.rexegg.com/regex-quickstart.html>
- Batch Processing in the Client: Overview- OCLC
  - <https://help.oclc.org/@api/deki/files/5147/connexion-client-batch-processing.pdf>



# Links and Questions

---

- Automating the Authority Control Process – Slides and Procedure
  - <https://uknowledge.uky.edu/ovgtsl2019/conf/schedule/17/>
- Last year's presentation: Automating Authority Work
  - <https://events.library.nd.edu/ovgtsl2018/talk/monaco.shtml>
- Contact me:
  - Stacey Wolf
  - [stacey.wolf@unt.edu](mailto:stacey.wolf@unt.edu)